

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

### NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/14/2007

Thomas W. Adams Renner, Otto, Boisselle & Sklar, L.L.P. 1621 Euclid Avenue Nineteenth Floor Cleveland, OH 44115 EXAMINER
OWENS, AMELIA A
ART UNIT PAPER NUMBER

1625

DATE MAILED: 02/14/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/795 772	03/08/2004	Weilian Lang	SOU747/4-13CONUS	1613	

TITLE OF INVENTION: SYNTHETIC MULTIPLE QUATERNARY AMMONIUM SALTS

	APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
•	nonprovisional	YES	\$700	\$300	\$0	\$1000	05/14/2007

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks I through 5 should be completed where

appropriate. All further indicated unless correcte maintenance fee notifica	ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of a) specifying a new corr	maintenance fees wi espondence address;	ill be m and/or (	ailed to the current of b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				e(s) Transmittal. This	s certific paper, s	ate cannot be used for such as an assignmen	domestic mailings of the or any other accompanying t or formal drawing, must
	7590 02/14	/2007				of Mailing or Transn	nission
Thomas W. Ad Renner, Otto, Bo 1621 Euclid Ave	oisselle & Sklar, L.I	P.	I h Sta ad tra	nereby certify that this ates Postal Service widressed to the Mail ansmitted to the USPT	s Fee(s) ith suffice Stop IS O (571)	Transmittal is being cient postage for first SUE FEE address a 273-2885, on the da	deposited with the United class mail in an envelope above, or being facsimile te indicated below.
Nineteenth Floor			Г	_			(Depositor's name)
Cleveland, OH 4	14115		<u> </u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTORN	NEY DOCKET NO.	CONFIRMATION NO.
10/795,772	03/08/2004	<del> </del>	Weilian Lang		SOU7	47/4-13CONUS	1613
		PLE QUATERNARY AM	<b>*</b>		т.	7-815 · · · · ·	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$300	<b>\$</b> 0		\$1000	05/14/2007
EXAM	INER	ART UNIT	CLASS-SUBCLASS			•	
OWENS, A	MELIA A	1625	549-551000				
CFR 1.363).  Change of corresponders form PTO/SE  "Fee Address" indi PTO/SB/47; Rev 03-0 Number is required.  ASSIGNEE NAME AI  PLEASE NOTE: University	ess an assignee is identi h in 37 CFR 3.11. Comp	2. For printing on the patent front page, list  (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.  THE PATENT (print or type)  a data will appear on the patent. If an assignee is identified below, the document has been filed for a substitute for filing an assignment.  (B) RESIDENCE: (CITY and STATE OR COUNTRY)					
Please check the appropri	ate assignee category or	categories (will not be pr	rinted on the patent) :	Individual Cor	poration	or other private grou	p entity Government
	are submitted: o small entity discount p of Copies	ermitted)	<ul> <li>Payment of Fee(s): (Ple</li> <li>A check is enclosed.</li> <li>Payment by credit ca</li> <li>The Director is heretoverpayment, to Dep</li> </ul>	ard. Form PTO-2038	is attach	ned.	·
a. Applicant claims	tus (from status indicated s SMALL ENTITY statu	s. See 37 CFR 1.27.	☐ b. Applicant is no lo	nger claiming SMALI	L ENTI	ΓY status. See 37 CF	
NOTE: The Issue Fee and naterest as shown by the r	I Publication Fee (if requeecords of the United State	nred) will not be accepted tes Patent and Trademark	d from anyone other than Office.	the applicant; a regist	tered atte	orney or agent; or the	assignee or other party in
Authorized Signature				Date			<del></del>
Typed or printed name	;	Registration No.					
This collection of information application. Confident ubmitting the completed his form and/or suggestion	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this bur	FR 1.311. The information U.S.C. 122 and 37 CFR USPTO. Time will vary den, should be sent to the	on is required to obtain or 1.14. This collection is e depending upon the indi e Chief Information Office	retain a benefit by the stimated to take 12 m ividual case. Any con cer, U.S. Patent and T	e public inutes to nments o rademar	which is to file (and o complete, including on the amount of times of the order of	by the USPTO to process) gathering, preparing, and e you require to complete tment of Commerce, P.O.

Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/795,772	03/08/2004	Weilian Lang	SOU747/4-13CONUS	1613
75	590 02/14/2007		EXAM	INER
Thomas W. Adar	ns	OWENS, AMELIA A		
Renner, Otto, Boisselle & Sklar, L.L.P.			ART UNIT	PAPER NUMBER
1621 Euclid Avent Nineteenth Floor Cleveland, OH 441	. <del>-</del>		1625 DATE MAILED: 02/14/200	7

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 514 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 514 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.